

## **AMENDMENTS TO THE CLAIMS**

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

Claims 1-14 (canceled)

Claim 15 (currently amended): A method for establishing a connection between a virtual electronic teaching system with having a central content-server for an e-learning or tele-teaching event and ~~with a workstation-(AP) of a person participating in the e-learning or tele-teaching event[[,]]~~ utilizing a telecommunication network ~~for connection to said content-server, the telecommunication network~~ having a main distribution connected to an exchange with an access multiplexer and a splitter or a splitter connected to or integrated in the main distribution[[,]] and with an analog or digital telecommunication ~~devices-(TE) device~~, the method comprising:  
and connecting an interface circuit ~~(SS) connectable~~ to the telecommunication device ~~(TE)~~ or to the workstation ~~(AP)~~, the interface circuit ~~(SS)~~ has including a memory unit ~~(SP)~~ and a microprocessor ~~(MP)~~, and for ~~automatic test done by the interface circuit (SS), the method comprises the steps of:~~

- a) ~~registering the interface circuit-(SS) to said~~ the content-server by means of a log-in procedure stored in the memory unit ~~(SP)~~, the interface circuit registering vicariously for the telecommunications device;
- b) ~~establishing a connection~~ between the interface circuit and the content-server vicarious for the telecommunication device ~~(TE)~~ connected to said main distribution via a subscriber line or subscriber modem and splitter or a network termination ~~(NTBA)~~ and subscriber lines ~~(AL)~~, ~~between the interface circuit (SS) and said content-server;~~
- e) ~~determining a type of connection pending on the communications interface (MFE) of the interface circuit-(SS);~~

d) ~~transmitting at least one in~~ stored test signal from the memory unit ~~(SP)~~ a stored test signal of the interface circuit to the content-server;  
e) ~~evaluating an acknowledgement for the test information received there~~  
~~returned, in a return direction, by~~ the interface circuit from the content-server in response to the test signal; and  
f) ~~testing at least a bandwidth available to the telecommunication device (TE)~~  
~~and~~ using the interface circuit,  
testing all available protocols in communication with said content-server ~~as a remote station~~ using the interface circuit as the content-server adjusts itself,  
adjusting the interface circuit to a protocol proposed by ~~the remote station~~ the content-server, ~~so that said interface circuit (SS) prevents typical and preventing~~ "time out"-problems by indicating emitting a message from the interface circuit confirming the complete reception of an image file ~~in from the content-server~~ such a way that said workstation ~~(AP)~~ remains connected to said e-learning or tele-teaching event including during periods when broadband transmission is not possible.

Claim 16 (currently amended): The method of claim 15, wherein said interface circuit ~~(SS)~~ is designed as a plug-in card for a the telecommunication device ~~(TE)~~ or a the workstation ~~(AP)~~ characterized in that, and wherein depending on the bandwidth demand said plug-in card automatically activates additional communication channels by means of which a dynamic channel management and bandwidth control is achieved.

Claims 17 and 18 (canceled)

Claim 19 (currently amended): The method of claim 15, further comprising:  
storing an access authorization in said memory unit ~~(SP)~~ of the interface circuit ~~(SS)~~ to secure establishment of the connection and ~~the test process against~~ to prevent unauthorized access, and  
recording the log-in procedure.

Claim 20 (currently amended): A virtual electronic teaching system,~~with~~  
comprising:

a central content-server for an e-learning or tele-teaching event~~and with~~;  
a workstation~~(AP)~~ of a person participating in the e-learning or tele-teaching  
event,~~using~~;

a telecommunication network connected to said content-server,~~with the~~  
telecommunication network including a main distribution connected to  
an exchange~~(VST)~~ and an access multiplexer and a splitter or a  
splitter connected to or integrated in the main distribution,~~the system~~  
comprising:

an analog or digital telecommunication device~~(TE)~~; and

an interface circuit~~(SS)~~, with connected to the telecommunication device, the  
interface circuit having a memory unit~~(SP)~~ and a microprocessor~~(MP)~~,  
~~structured and dimensioned for connection to said telecommunication~~  
~~device (TE),~~

wherein a first end of said interface circuit~~(SS)~~being is connected to the main  
distribution via a subscriber circuit or a subscriber modem and a splitter or a network  
termination~~(NTBA)~~ or subscriber lines~~(AL)~~ and a second end of said interface circuit  
~~(SS)~~being is connected to said workstation~~(AP)~~, and

wherein the interface circuit is connected via at least a standardized interface  
~~(SS)~~ vicarious for said telecommunication device~~(TE)~~ and registers itself to said  
content-server by means of ~~the~~ a log-in procedure stored in the memory unit~~(SP)~~,  
and automatically tests at least a bandwidth available to the telecommunication  
device~~(TE)~~ and all available protocols in communication with said content-server as  
a remote station and adjusts itself to a protocol proposed by said remote station by  
transmitting at least one test signal stored in the memory unit~~(SP)~~ to said content-  
server so that said interface circuit~~(SS)~~ prevents ~~typical~~ "time out"-problems by  
indicating the complete reception of an image file ~~in such a way~~ that said workstation  
~~(AP)~~ remains connected to said e-learning or tele-teaching event including during  
periods when broadband transmission is not possible.

Claim 21 (currently amended): The virtual electronic teaching system of claim 20, wherein the interface circuit ~~(SS)~~ further comprises a hard disk, ~~as well as~~ and at least one of each ~~type of~~ a plurality of different conventional plug-type connectors ~~(COM, USB)~~ for ~~connection of~~ connecting the telecommunication device ~~(TE)~~ to the workstation ~~(AP)~~.

Claim 22 (currently amended): The virtual electronic teaching system of claim 21, wherein ~~a read-only~~ the memory ~~(SP)~~ unit is an exchangeable read-only memory media.

Claim 23 (currently amended): The virtual electronic teaching system of claim 20, wherein an intelligent operating element ~~(BT)~~ is connected to the interface circuit ~~(SS)~~.

Claim 24 (currently amended): The virtual electronic teaching system of claim 20, wherein the interface circuit ~~(SS)~~ is ~~designed as~~ a plug-in card for a network station or a PC.

Claim 25 (currently amended): The virtual electronic teaching system of claim 24, wherein the plug-in card comprises at least one microprocessor ~~(MP)~~ and a LAN interface ~~designed as a bus interface~~, wherein the LAN interface is connected to a PCI bus transmitting control information, and wherein a network station or a PC constitutes a host system.

Claim 26 (previously presented): The virtual electronic teaching system of claim 25, wherein said plug-in card is detected as a LAN card by a plug and play function or by standard drivers when said plug in card is plugged into said host system.

Claim 27 (currently amended): The virtual electronic teaching system of claim 24, wherein said plug-in card comprises a call number memory with a number of participants or network stations authorized to access data, and wherein, depending

on a transmitted call number, the call number is verified or the connection is established to the authorized caller.

Claim 28 (previously presented): The virtual electronic teaching system of claim 24, wherein the plug-in card automatically breaks a connection in case of a pause in transmission lasting longer than a preselected waiting time, and restores the connection when data are once again pending.

Claim 29 (previously presented): The virtual electronic teaching system of claim 24, wherein, depending on a bandwidth demand, the plug-in card automatically activates additional communication channels to achieve dynamic channel management and bandwidth control.